

Amendments to the Specification:

Page 1, please delete the second full paragraph in its entirety:

~~The current firmware upgrade technology is almost performed by the computer special software (initial program) along with the firmware. Said software will read the upgraded firmware data directly, and transmit it to the computer device via the viable interfaces. Such computer device will delete the original firmware in the computer memory first and write the new firmware data into its memory so as to finish upgrading and updating the firmware.~~

Page 2, please replace the first full paragraph (lines 7-10) with the following paragraph:

The disadvantage of this technology is that if the power failure or other uncertain events happen upon upgrading and updating the firmware and it ~~incurs~~ incurs the failure in writing the upgraded firmware, the original firmware in the memory can be destroyed or deleted, and the upgraded firmware is not completely installed in the computer memory yet. Therefore, such computer device will not function normally.

Page 4, delete first full paragraph (starting at line 8) through page 5 (lines 1-19) in its entirety.

~~Base on the idea described above, wherein said computer device includes a scanner.~~

~~Base on the aforementioned idea, wherein the step of executing said initial program further comprises verifying the correctness of said old firmware program in the second portion by checking the checksum of said old firmware in the fourth portion; verifying the correctness of said old backup firmware program in the third portion by checking the checksum of said old firmware in the fifth portion; and verifying the identity of said old firmware program and said old~~

~~backup firmware program.~~

~~Base on the idea described above, wherein the step of verifying the correctness of said old firmware program further comprises writing said old backup firmware program in the third portion into the second portion for renew said old firmware program when said old firmware program is defective; and writing the checksum of said old backup firmware program in the fifth portion into the fourth portion for renew the checksum of said old firmware program.~~

~~Base on the aforementioned idea, wherein the step of verifying the correctness of said old backup firmware program further comprises writing said old firmware program in the second portion into the third portion for renew said old backup firmware program when said old backup firmware program is defective; and writing the checksum of said old firmware program in the fourth portion into the fifth portion for renew the checksum of said old backup firmware program.~~

~~Base on the idea described above, wherein the step of verifying~~